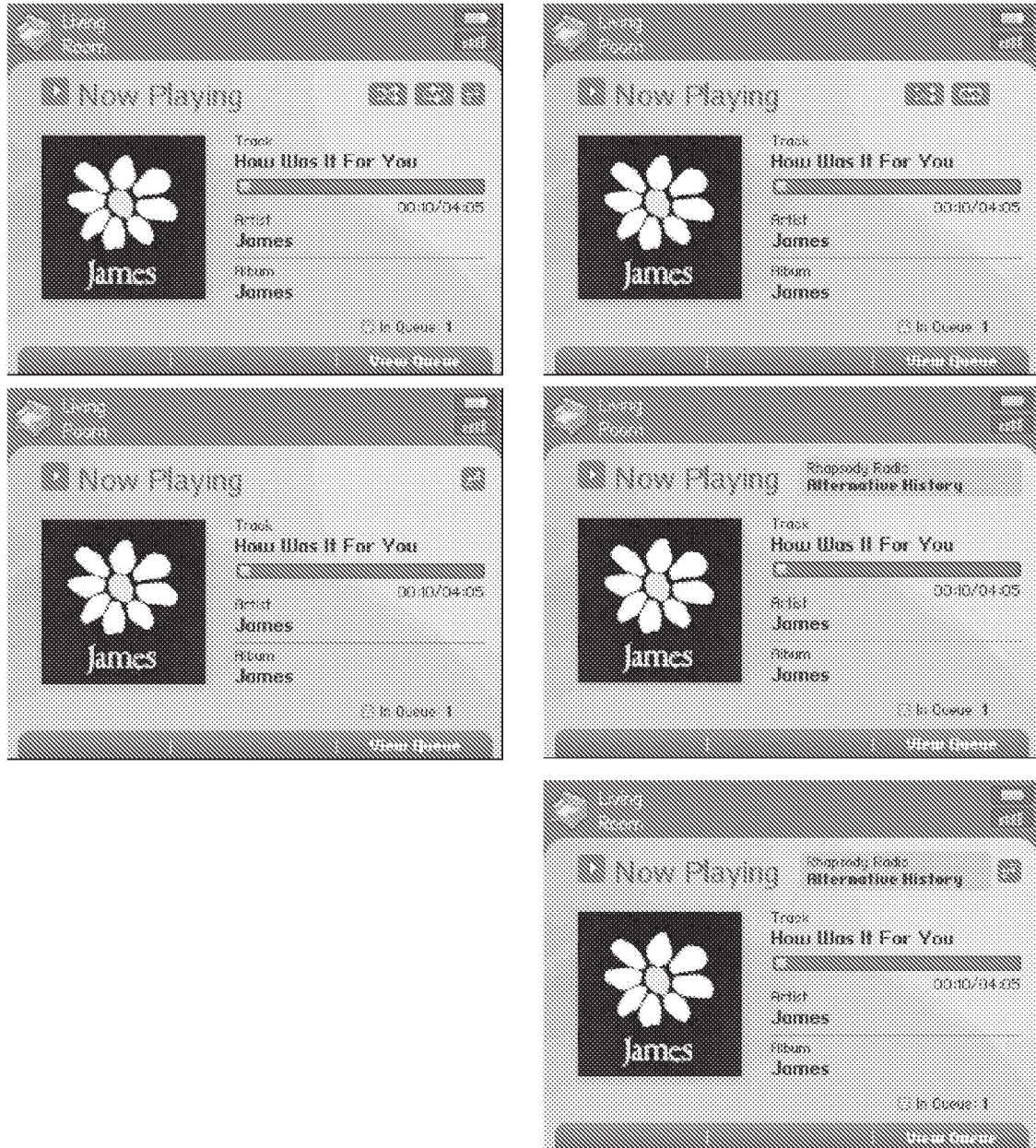
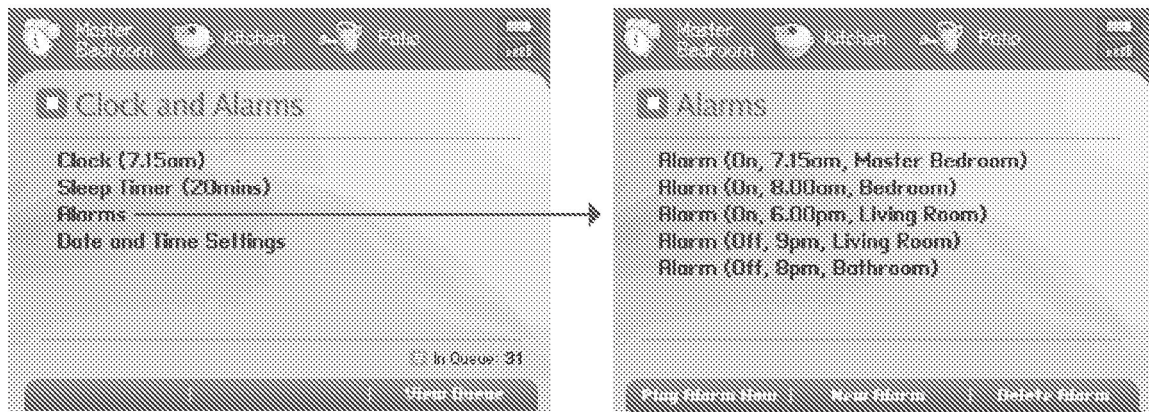


EXHIBIT 1

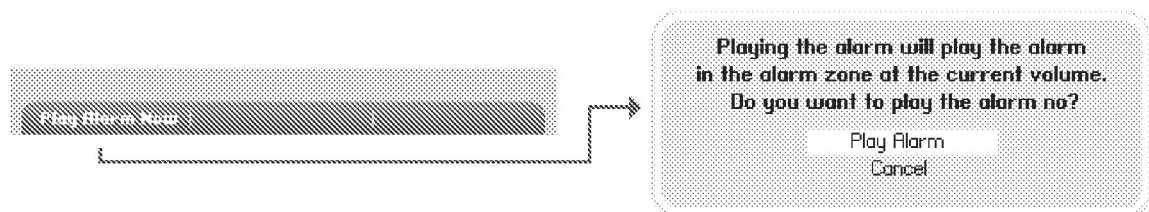
Part 2 of 2

Sonos UI Specification: Alarm Clock**Alarm length/Sleep timer icon on Now Playing Screen**

- The sleep timer icon is shown next to the Shuffle and Repeat icons
- The right edge of the snooze icon aligns with the right edge of the track progress bar
- The separation between the icons is 5 clear pixels
- The blue Rhapsody Radio 'bubble' should be horizontally resized when the snooze icon is present.
- The gap between the right edge of the blue bubble and the left edge of the snooze icon should be 5 clear pixels.
- The snooze icon should sit in the vertically in the middle of the blue bubble (5 pixels above, 5 below).

Sonos UI Specification: Alarm Clock**3.5 Alarms Overview**

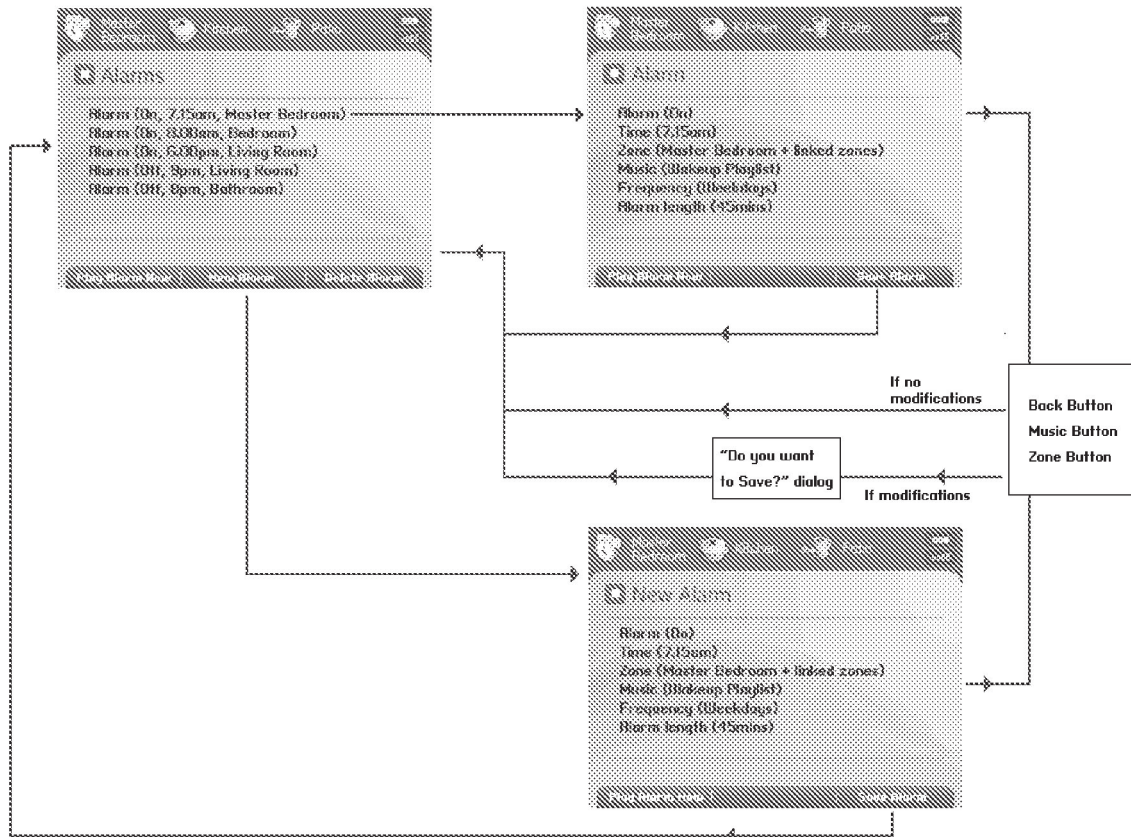
Note the absence of the View Queue and Queue Counter when we go one level deeper in the alarm UI. This is to reduce any confusion that may occur between the Alarm music and the Current Queue of music.

Play Alarm Now soft button

User selects 'Play Alarm' from the pop-up. The alarm will activate.

- The UI will stay on the same screen (but without the popup)
- TBD – this may change if alarms automatically trigger the clock view

3.6 New Alarm and Editing an existing alarm



New Alarm

- Adds a new alarm with the default settings
- The screen navigates to show the new alarm page.
- The system can contain up to 32 alarms
- If the limits of 32 alarms is reached, add alarm will trigger the following popup message (the UI will not navigate to the “New Alarm” page).
 - You can’t add any more alarms, please delete an alarm before you add a new one.
 - Press Ok to Continue.
- The default settings for an alarm are described in the section below.

Edit Alarm

Clicking OK on an existing alarm will navigate the UI to that alarm’s edit page.

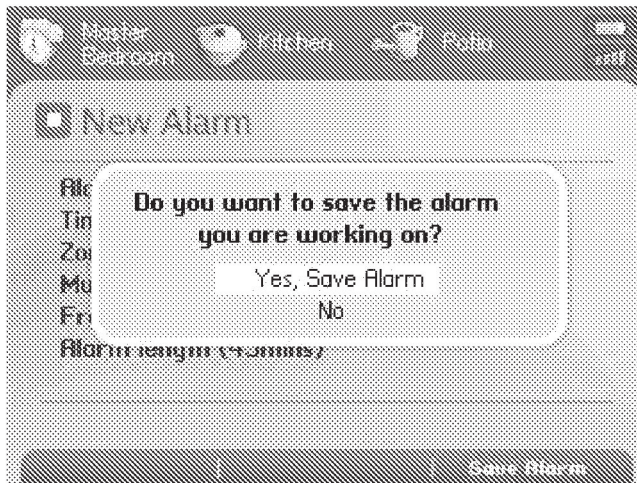
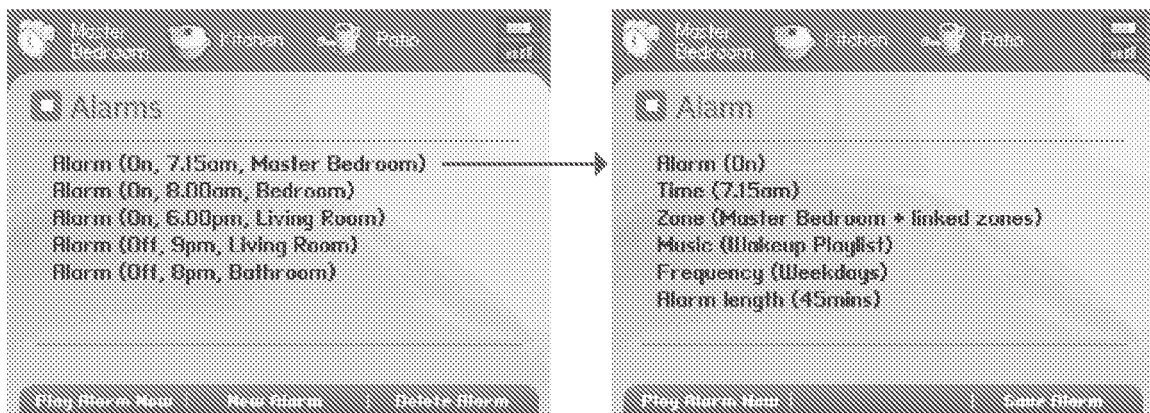
Save Alarm

Pressing the Save button will save the alarm and navigate to the Alarms List screen. No confirmation will be shown (Save is an explicit action that doesn’t result in deleted information if pressed by mistake).

Sonos UI Specification: Alarm Clock**Navigating Away from the New/Edit Alarm page**

If an alarm has been edited, or the alarm is new and the following navigation buttons are pressed, a resultant confirmation box will be shown.

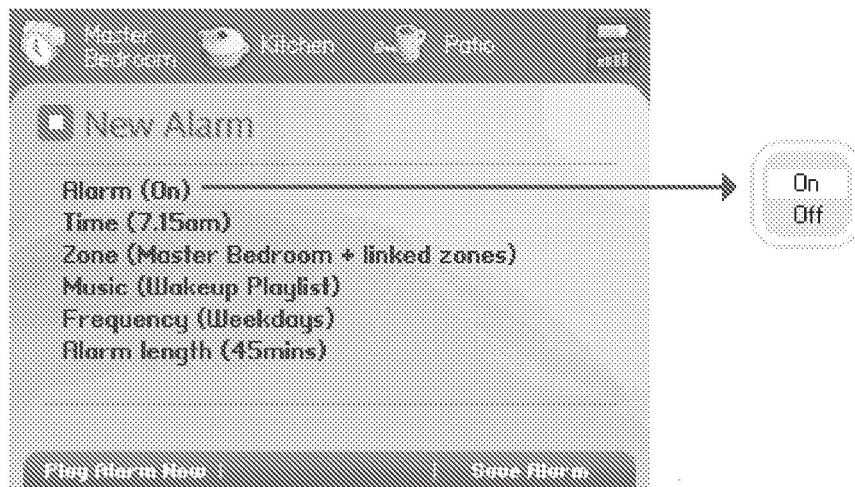
Back button
Zones button
Music button

**3.7 Alarm Settings/Variables**

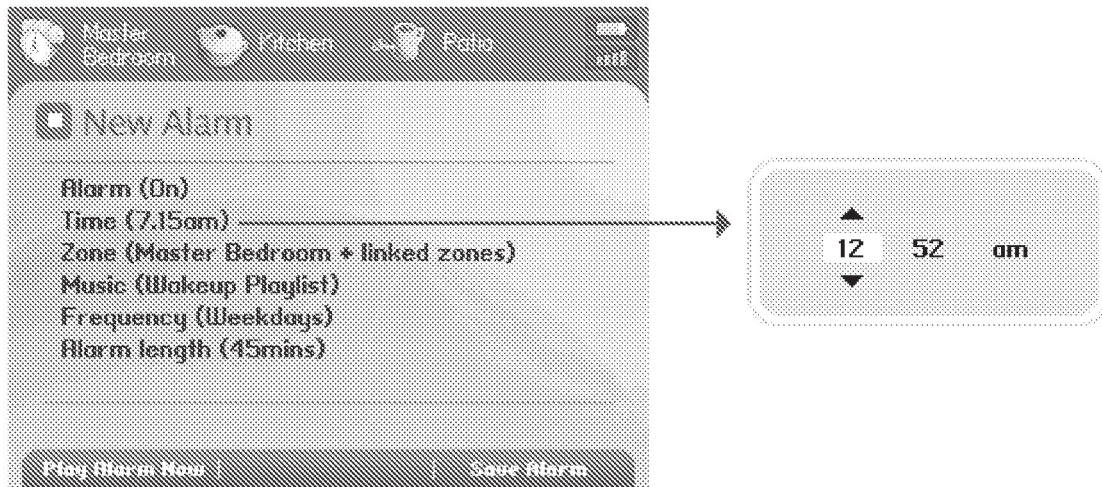
Each alarm will have the following variables

- Alarm On/Off
- Time
- Zone
- Music
- Frequency [once]
- Alarm Length
- *Play Mode (TBD we may add shuffle mode as an option)*

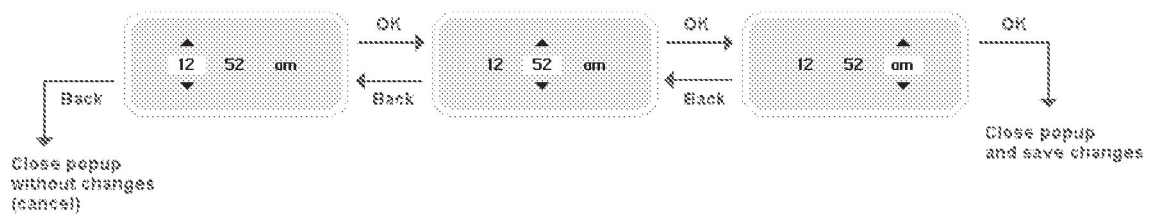
Sonos UI Specification: Alarm Clock

3.7.1 Alarm on/off

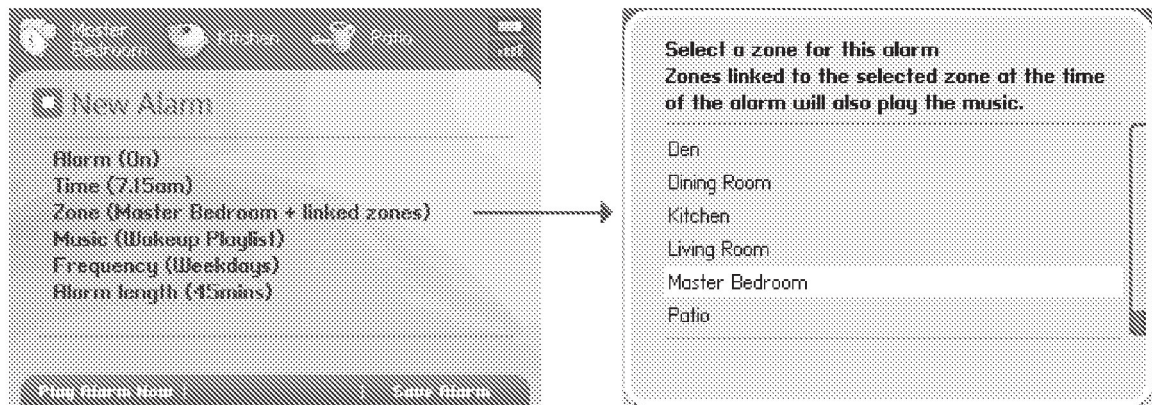
This allows the alarm to be turned on/off without losing the alarm settings.

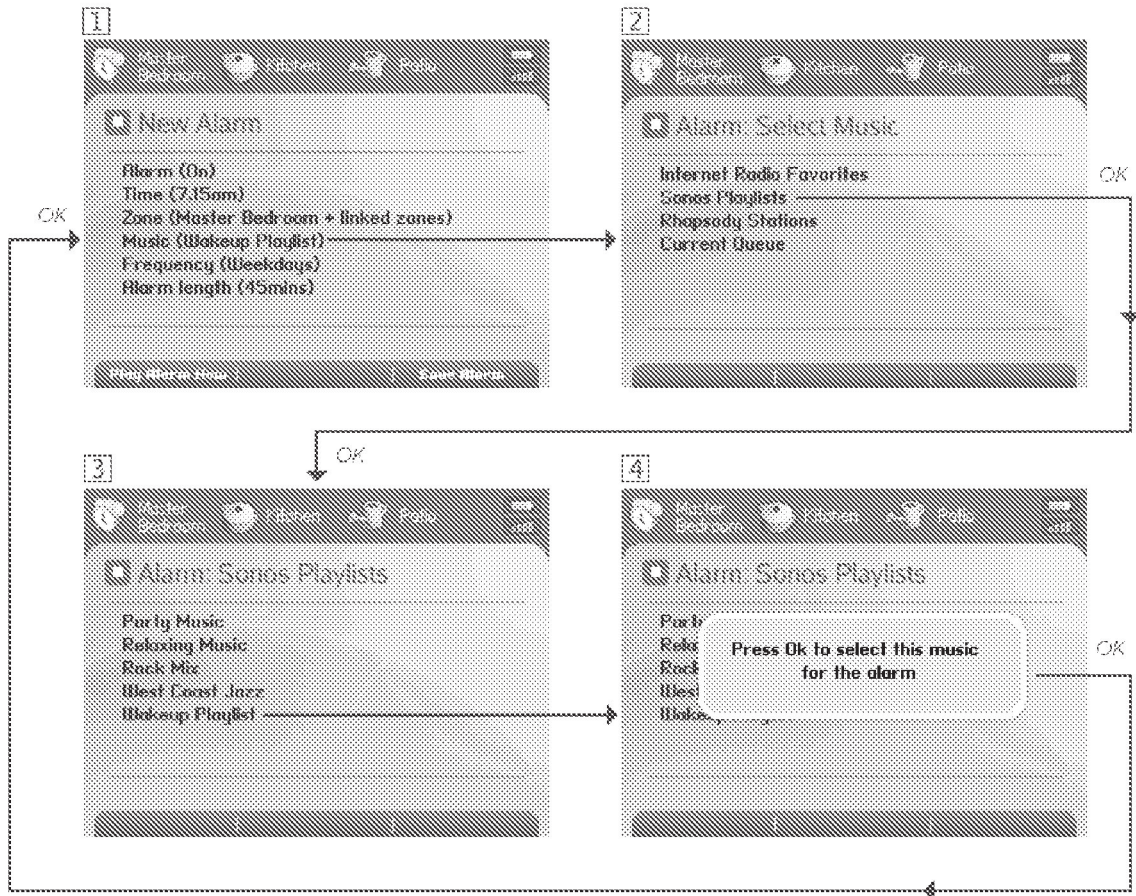
Sonos UI Specification: Alarm Clock**3.7.2 Alarm Time**

- The time set popup consists of three fields
- TBD – should the 3 fields become 2 if the user has set the system to 24 hour clock?



Sonos UI Specification: Alarm Clock

3.7.3 Alarm Zone

Sonos UI Specification: Alarm Clock**3.7.4 Alarm Music**

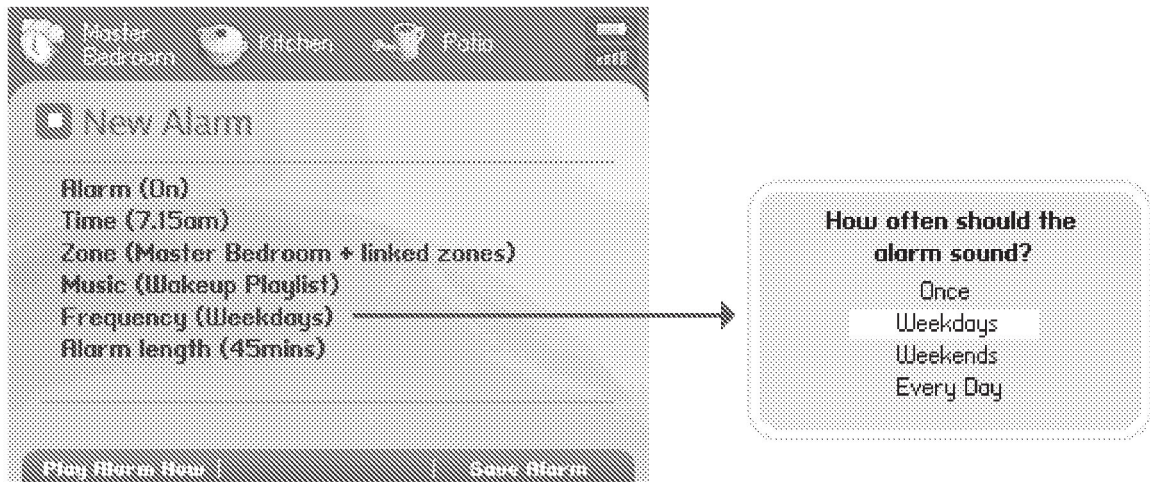
- The Select Music UI is a limited form of the regular CR music browse
- The user should not be able to drill down to the track level
- On the level *above* the track level, if the user presses OK, they will see the confirmation dialog.
- When the user press OK on the confirmation dialog, the UI should return to the main Alarm variables page (top left of above diagram). This transition is made without an animation.
- Rhapsody Stations and Current Queue are TBD items

Relationship to the Now Playing Screen and Back Button.

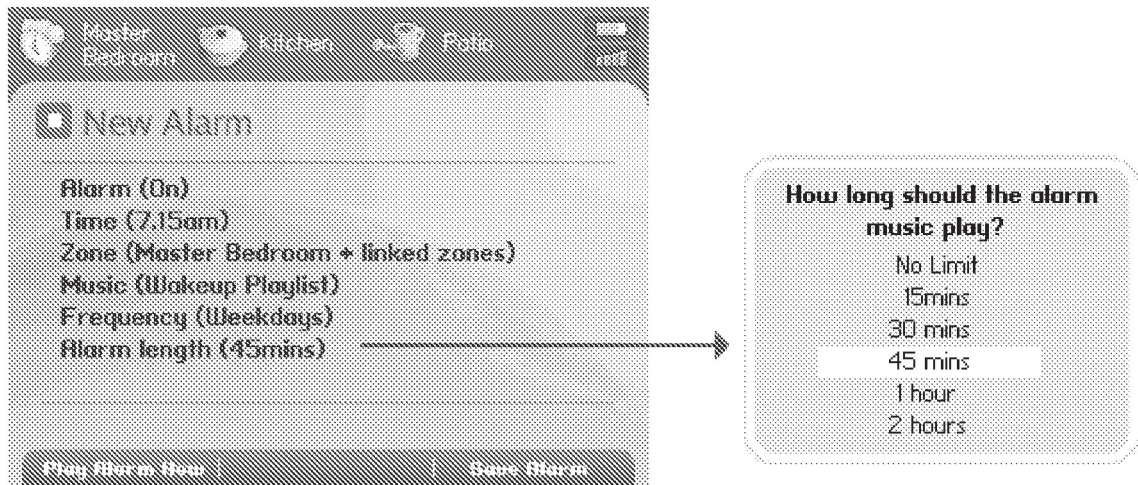
If the user presses the Music button while on the alarm screens, the UI will navigate to the Now Playing screen.

If the user navigates to the Now Playing screen from screens 2, 3 or 4 (above), and subsequently press the Back button, the UI should navigate back to screen 1 (and not 2, 3, or 4). This is designed to avoid confusion between the Music choices for the alarm and music choices for general playback.

Sonos UI Specification: Alarm Clock

3.7.5 Alarm Frequency

Sonos UI Specification: Alarm Clock

3.7.6 Alarm Length

- The 'No Limit' option means that no alarm timer will be set
- The alarm timer is the same as the sleep timer.
- When an alarm with a timer (anything other than 'no limit') starts, the sleep timer for the zone (or zone group) is triggered.
- Users can override the alarm timer by setting the sleep timer.

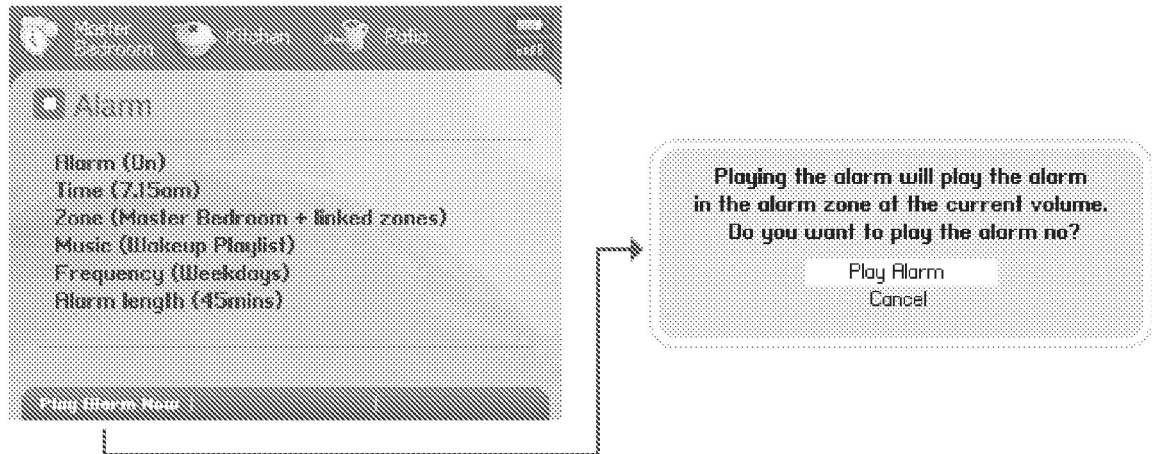
Zone linking/unlinking activities

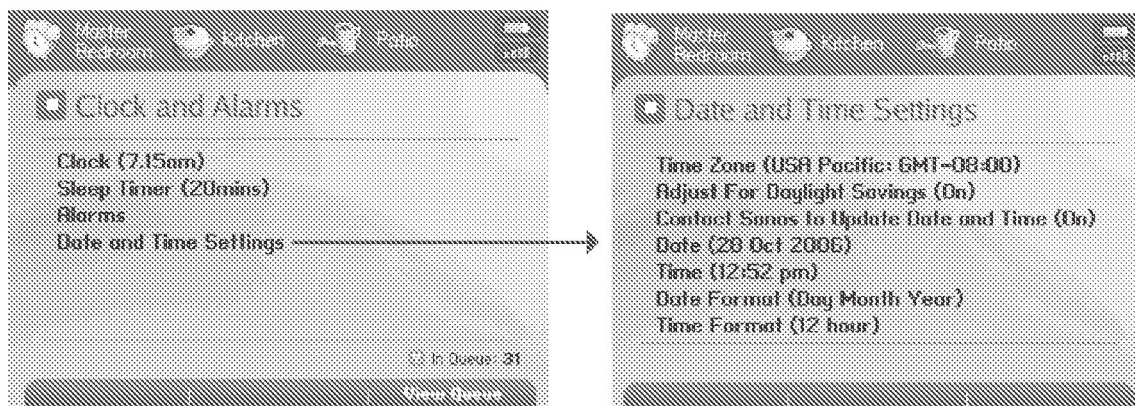
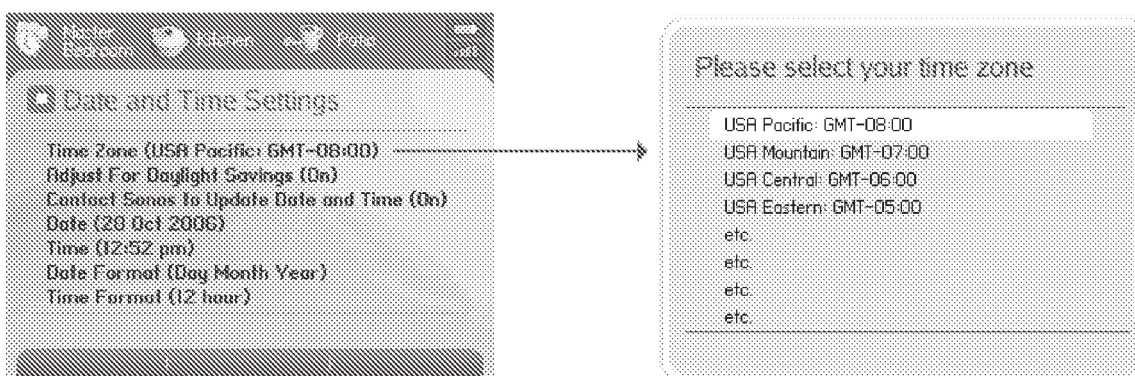
- The alarm length applies to the zone group at the time the alarm is triggered (zone + any linked zones)
- Any zone later added to the group will take on the timer from this alarm.
- Any zone dropped from the group will no longer take part in the alarm length timer.
- Any zone from this group taken by another group will take the timer of the group it is joining (i.e. it will lose it's original timer).
- Pausing the music has no effect on the alarm length timer .
- Clearing the Queue has no effect on a sleep timer .
- Altering the Queue (adding, moving, deleting tracks) has no effect on the sleep timer

Sonos UI Specification: Alarm Clock

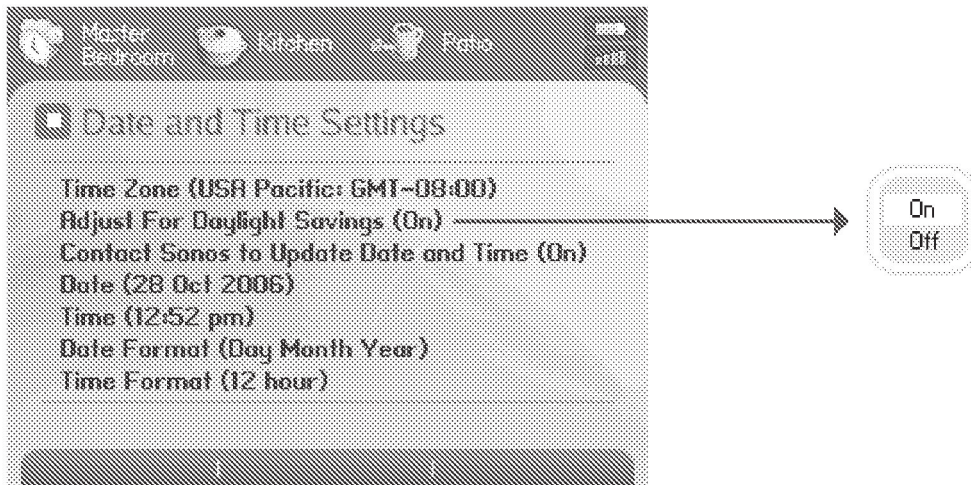
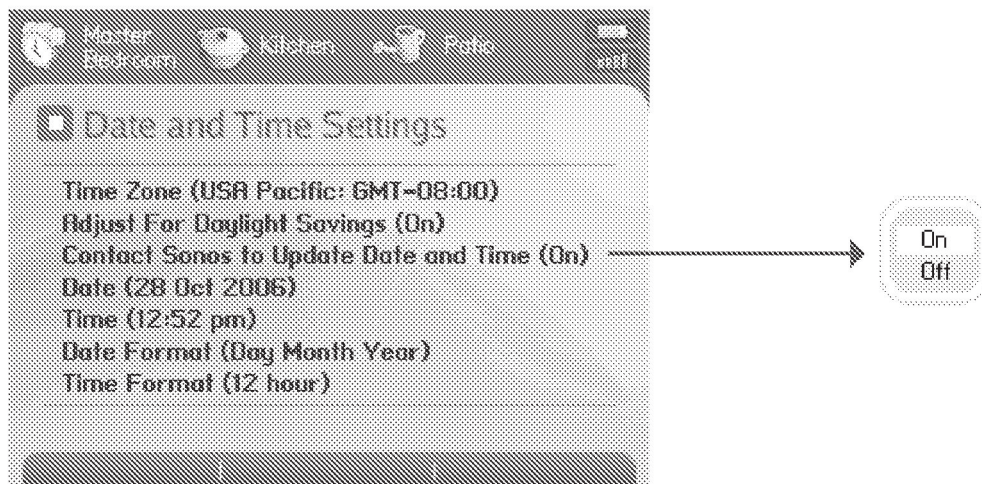
Alarm length/Sleep timer icon on Now Playing Screen

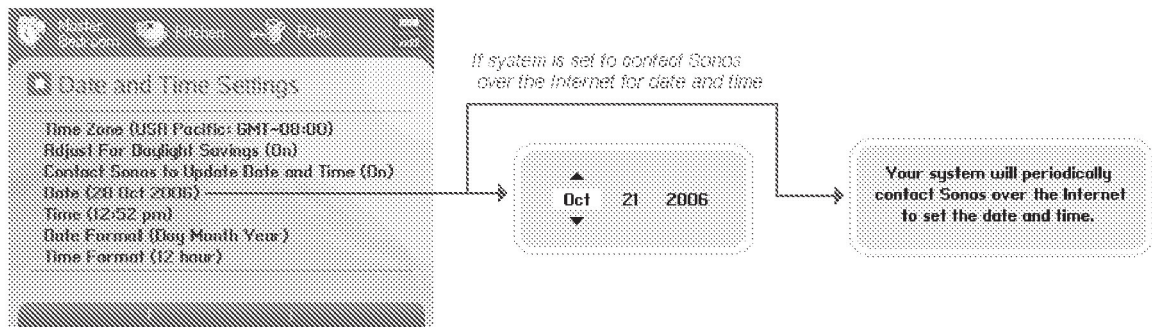
See Section on Sleep Timer earlier in this document.

3.7.7 Play Alarm Now

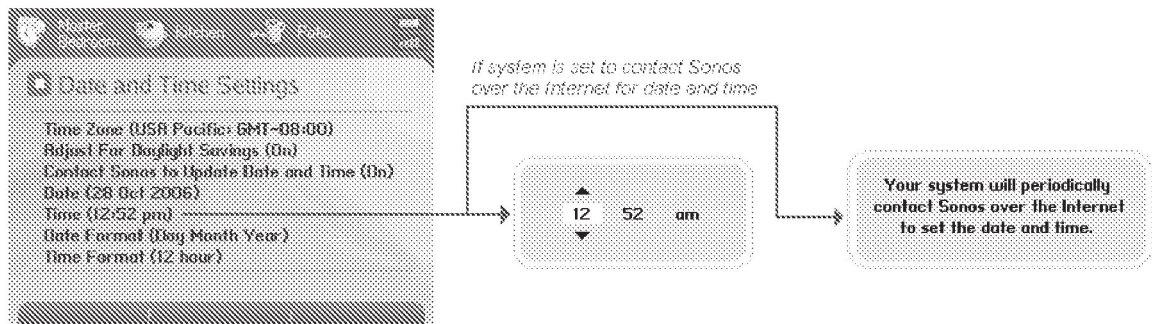
Sonos UI Specification: Alarm Clock**3.8 Setting the current date and time****3.8.1 Time Zone**

Sonos UI Specification: Alarm Clock

3.8.2 Adjust for Daylight Savings**3.8.3 Contact Sonos for Updates**

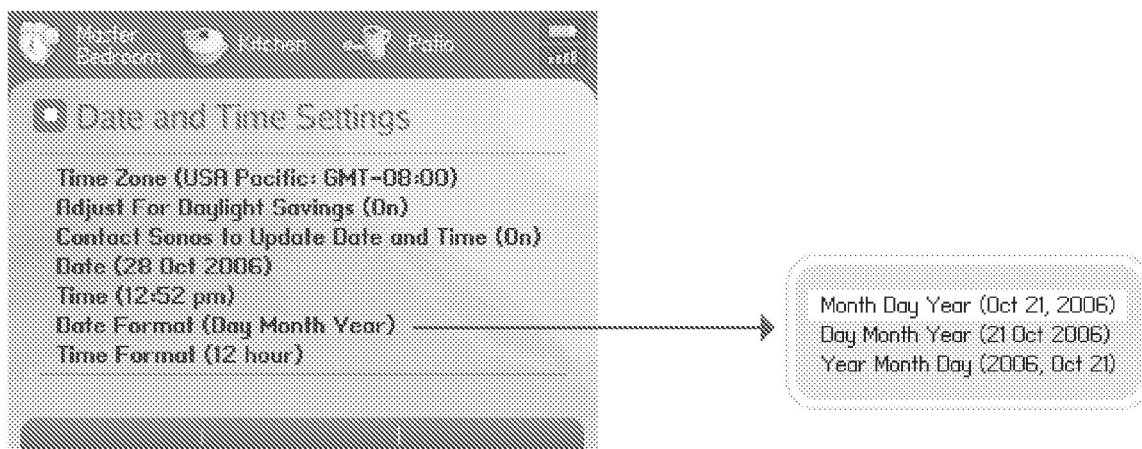
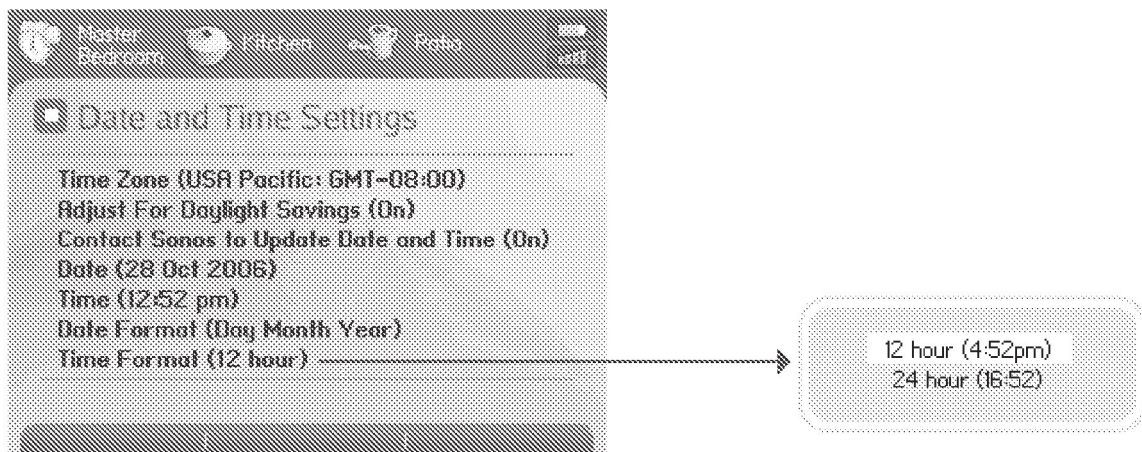
Sonos UI Specification: Alarm Clock**3.8.4 Date**

- If the system is set to get the date and time from the Internet, the user should not be able to manually adjust the date and time.
- In this case, a simple message is shown instead of the date or time editor.

3.8.5 Time

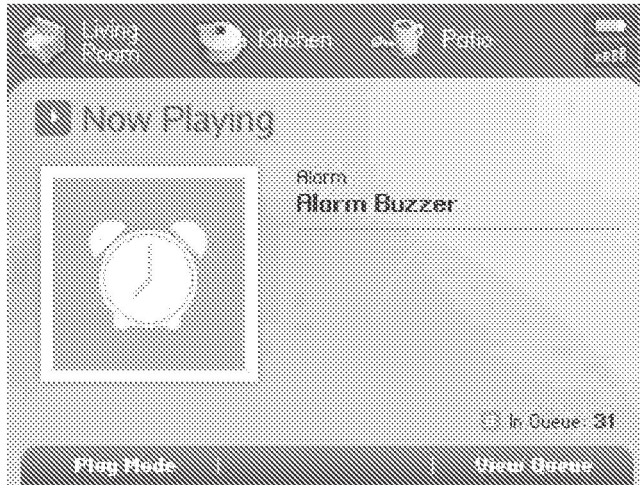
- If the system is set to get the date and time from the Internet, the user should not be able to manually adjust the date and time.
- In this case, a simple message is shown instead of the date or time editor.

Sonos UI Specification: Alarm Clock

3.8.6 Date Format**3.8.7 Time Format**

Sonos UI Specification: Alarm Clock

3.9 Buzzer



- Buzzer has it's own Now Playing screen
- Play/Pause will work the same as regular music
- The template for the Now Playing screen if the Line-In Source Now Playing.

Sonos UI Specification: Alarm Clock

4 UI Spec for DCRs

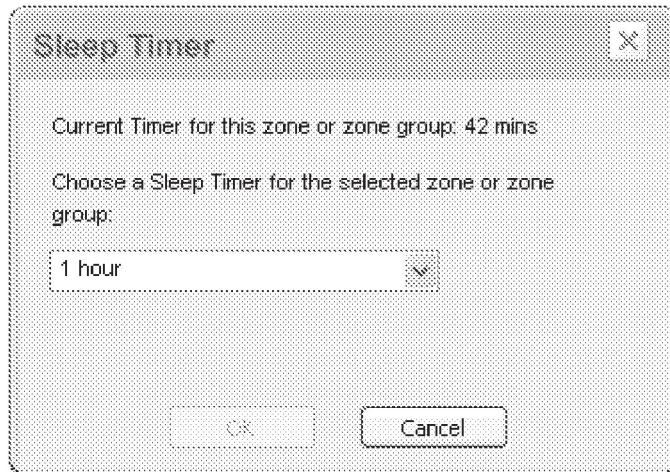
4.1 PC Menu**Letter Underscore shortcuts**

Current underscore short cuts on this menu: N, P, L, D, Z

Click and Alarms (C)

Sleep Timer (S)

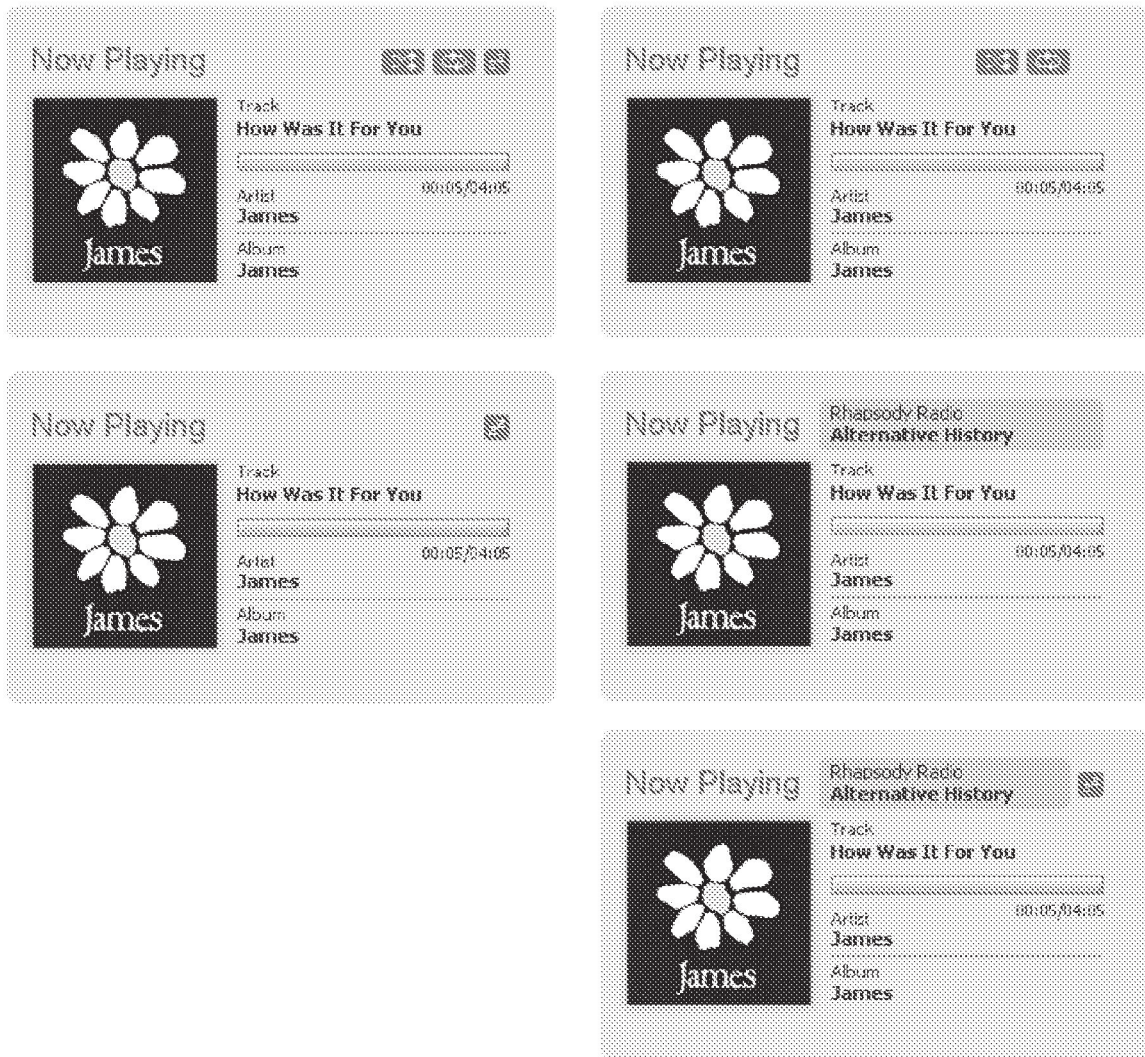
Sonos UI Specification: Alarm Clock

4.2 Sleep Timer

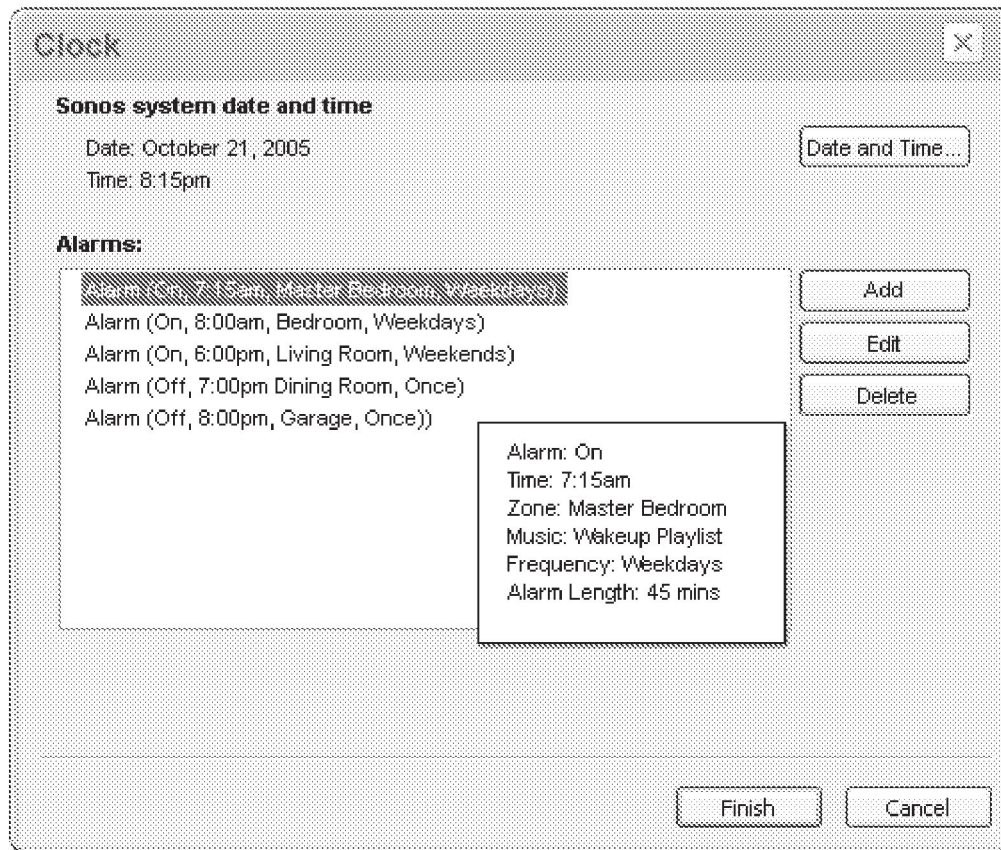
- Sleep timer will have the following variables: Off, 15min, 30mins, 45mins, 1hours, 2 hours.
- A sleep timer applies to all the current zones in the current group
- When the sleep timer stops (i.e. the time reaches 0 seconds), it should revert to 'Off'.
- At the end of the sleep time (0 seconds), the current Zone Group should be Paused.
- The time in parenthesis should show the count down.
- If the current zone group is already paused, no changes to the play head will be made.
- (the alarm timer is the same as the sleep time, described later in this document)

Rules for Zone Group changes while the Sleep timer is active

- A Sleep timer is set for the current zone (or zone group) that the user is viewing on the CR. The timer is applied to all the zones in that particular group.
- Any zone added to the zone group takes on the same timer.
- Any zone dropped from the group will have it's timer reset to Off.
- Any zone taken by another group will take the timer of the group it is joining (i.e. it will lose it's original timer).
- Pausing the music has no effect on a sleep timer .
- Clearing the Queue has no effect on a sleep time .
- Altering the Queue (adding, moving, deleting tracks) has no effect on the sleep timer
- The user can change the timer settings while it is running (i.e. turn it off, or change the sleep time).

Sonos UI Specification: Alarm Clock**The Now Playing screen showing the Sleep Timer/ Alarm Timer**

- The sleep timer icon is shown next to the Shuffle and Repeat icons
- The right edge of the snooze icon aligns with the right edge of the track progress bar
- The separation between the icons is 6 clear pixels
- The blue Rhapsody Radio 'bubble' should be horizontally resized when the snooze icon is present.
- The gap between the right edge of the blue bubble and the left edge of the snooze icon should be 6 clear pixels.
- The snooze icon should sit vertically in the middle of the blue bubble (in actual fact it will be off-centre (lower) by one pixel).
- The Shuffle and Repeat icons will need to be lowered to align horizontally with the snooze icon.
- TBD – can a tool tip rollover show the remaining time.

Sonos UI Specification: Alarm Clock**4.3 Clock and Alarms**

TBD –state when the time has been lost (due to power failure for instance)

Alarm List

- Shows each alarm with a list of major attributes (but not all attributes)

Tool Tips

Tip box shows an overview of all the Alarm's attributes

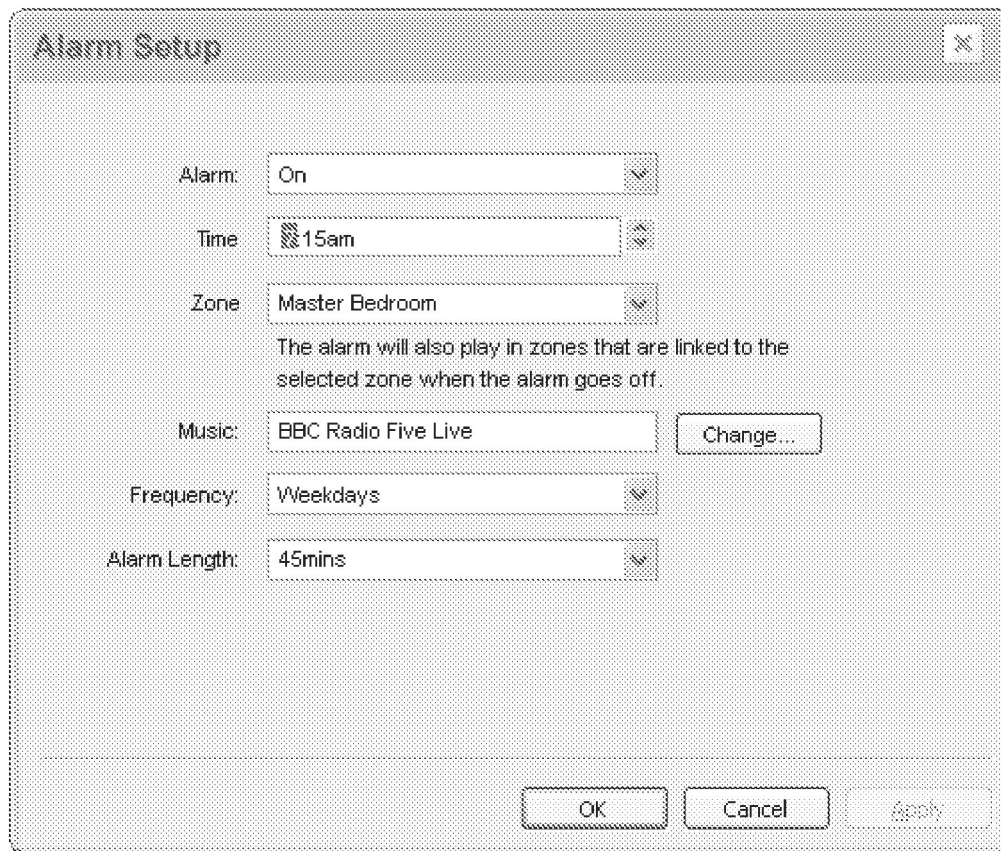
Add Alarms

- Alarms are named with standard names – no custom names for alarms.
- The system limits the number of alarms to 32 alarms
- If n alarms is exceeded, the following message will show:
 - You can't add any more alarms, please delete an alarm before you add a new one [OK]

Delete

- Following message:
 - Are you sure you want to delete the alarm? [Yes] [Cancel]

Sonos UI Specification: Alarm Clock

4.4 Edit an Alarm

The image shows a screenshot of the 'Alarm Setup' dialog box. The dialog has a title bar with the text 'Alarm Setup' and a close button (X). The main content area contains several settings:

- Alarm:** A dropdown menu with 'On' selected.
- Time:** A time picker showing '15am'.
- Zone:** A dropdown menu with 'Master Bedroom' selected. Below this dropdown, there is a text label: 'The alarm will also play in zones that are linked to the selected zone when the alarm goes off.'
- Music:** A text field containing 'BBC Radio Five Live' and a 'Change...' button to its right.
- Frequency:** A dropdown menu with 'Weekdays' selected.
- Alarm Length:** A dropdown menu with '45mins' selected.

At the bottom of the dialog, there are three buttons: 'OK', 'Cancel', and 'Apply'.

Sonos UI Specification: Alarm Clock

4.4.1 Details of Settings**Alarm**

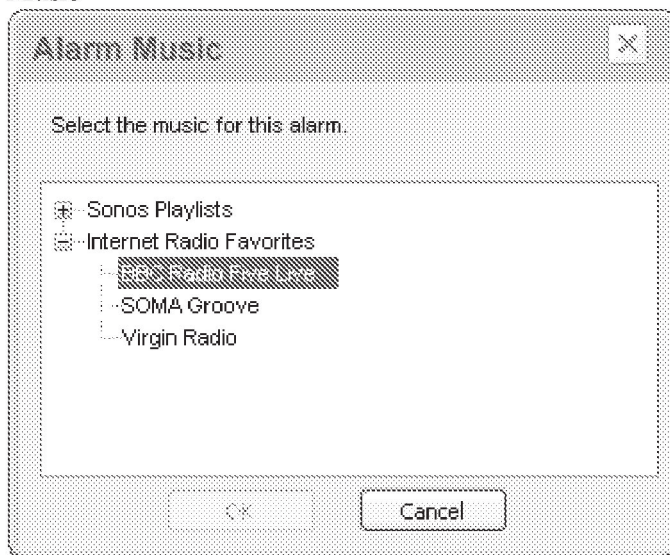
- On
- Off
-

Time

- Same as default Windows/Mac time setting field

Zone

- A single list of the zones in the system is presented.
- The alarm will also sound in any rooms that are linked to the selected zone at the time of the alarm.

Music

- TBD – this could also be a combo-box with sub menus.
- TBD – we may add “Rhapsody Stations” and “Current Queue” to this list.

Frequency

- Once
- Weekdays
- Weekends
- Everyday

Alarm Length

- No Limits
- 15 mins
- 30 mins
- 45 mins
- 1 hour

Sonos UI Specification: Alarm Clock

- 2 hours

- The ‘No Limit’ option means that no alarm timer will be set
- The alarm timer is the same as the sleep timer.
- When an alarm with a timer (anything other than ‘no limit’) starts, the sleep timer for the zone (or zone group) is triggered.
- Users can override the alarm timer by setting the sleep timer.

Zone linking/unlinking activities

- The alarm length applies to the zone group at the time the alarm is triggered (zone + any linked zones)
- Any zone later added to the group will take on the timer from this alarm.
- Any zone dropped from the group will no longer take part in the alarm length timer.
- Any zone from this group taken by another group will take the timer of the group it is joining (i.e. it will lose it's original timer).
- Pausing the music has no effect on the alarm length timer .
- Clearing the Queue has no effect on a sleep timer .
- Altering the Queue (adding, moving, deleting tracks) has no effect on the sleep timer

The Now Playing screen showing the Sleep Timer/ Alarm Timer

See Section for Sleep Timer earlier in this document.

Sonos UI Specification: Alarm Clock

4.5 Setting the current date and time on the Desktop Controllers

During the initial setup Wizard, if the DCR is creating a new system (i.e. not just joining an existing system) – the date and time from the PC will be captured and used for the Sonos clock..

Set Up Date and Time

Time zone: Eastern Standard Time (US and Canada) [v]

☒ Automatically adjust the clock for daylight savings changes

Date format: Day Month Year [v]

Time format: 12 hour [v]

☐ Set the date and time from the Internet

☒ Set the date and time manually

14 April 2006 [v]

12:39 PM [v]

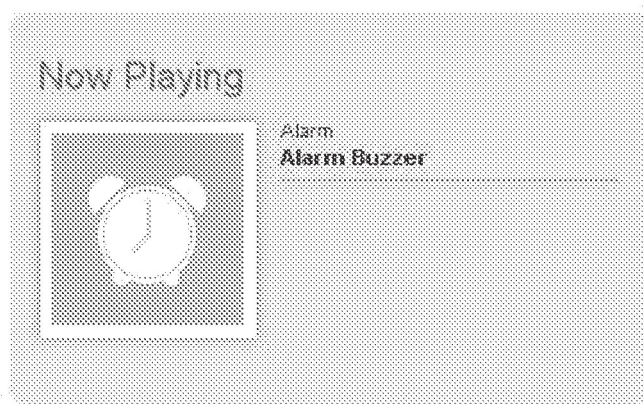
Ok Cancel

Sonos UI Specification: Alarm Clock**4.6 Setting alarm music directly from the Music Library**

This feature is TBD pending feedback from John B.



Should the user be able to add to a New alarm – in which case the edit alarm panel should then open.

4.7 Buzzer

- Buzzer has it's own Now Playing screen
- Play/Pause will work the same as regular music
- The template for the Now Playing screen if the Line-In Source Now Playing.

5 Date and Time formats

5.1 Date Formats

Three date formats will be provided

Date Month Year (DMY)
Month Date Year (MDY)
Year Month Date (YMD)

Desktop Controllers

Months are written in full

(MDY) October 21, 2006 (date should be followed by comma)
(DMY) 21 October 2006 (no commas)
(YMD) 2006 October 21 (no commas)

Handheld Controllers

Months will be abbreviated to 3 or 4 letters.

Days of the week (clock face only) will be abbreviated to 2 or 3 letters

Setup screens and menus will show:

(MDY) Oct 21, 2006
(DMY) 21 Oct 2006
(YMD) 2006 Oct 21

For the clock screen, use shortened versions of the day of the week.

(MDY) Mon, Oct 21, 2006
(DMY) Mon, 21 Oct 2006
(YMD) 2006 Oct 21, Mon

Abbreviations for English are as follows:

Mon, Tue, Wed, Thu, Fri, Sat, Sun

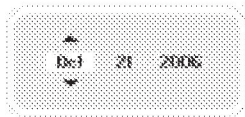
Jan, Feb, Mar Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

Setup dialogs

Setup dialogs that show separate fields for fields will not contain commas or colons

For example, the following setup dialog does not contain a comma, even though the date is written-out with a comma (**Oct 21, 2006**)

Sonos UI Specification: Alarm Clock

**5.2 Time Formats**

Two time formats will be provided

12 hour clock (am/pm)

24 hour clock

A colon (:) should be used to separate hours and minutes. Seconds are not used anywhere in the UI.

12 hour

HH:MM_am (where am, pm are localized)

24 hour

HH:MM

Single digit times should not be expressed with a leading zero

12 hour clock

Use 6:17 am

Don't use 06:17 am

24 hour clock

Use 6:17 and 0:12

Don't Use 06:17 and 00:12

5.2.1 Date Range limits

It will be possible to set the clock and alarms from 12.00am year 2000 to 11.59 2099.

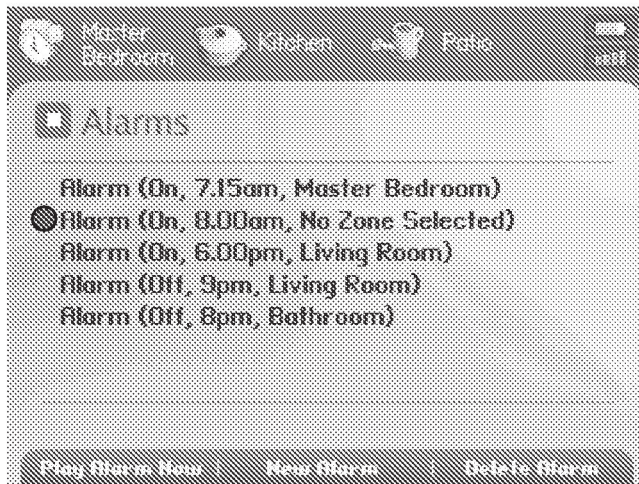
6 Special Cases

6.1 Lost ZonePlayers and Hidden ZonePlayers - HHCR

No ZonePlayers in the system - UI reverts to the Zone menu with limited settings. Access to Clock and Alarms is not possible.

Only Hidden ZonePlayers in the system - reverts to the Zone menu with limited settings. Access to the Clock and Alarms is not possible.

If a zone assigned to an alarm becomes lost, or hidden



Alarm Overview shows a hidden, or non-available zone



Zone available (normal state)



No Zone Available, or Zone is hidden.

Sonos UI Specification: Alarm Clock

- If a zone becomes unavailable, or it becomes a hidden Extender, the Alarm zone menu item will show “No Zone Selected”. The alarm will not sound. The Alarm should however remain in the ‘On’ state (in the case of a ZP that is temporarily unplugged).
- If the ZP becomes available again (Plugged back in, or brought out of extender mode), the Alarm zone will show the ZonePlayer name.
- If an alarm is renamed, the Alarm zone menu item will show the new name.

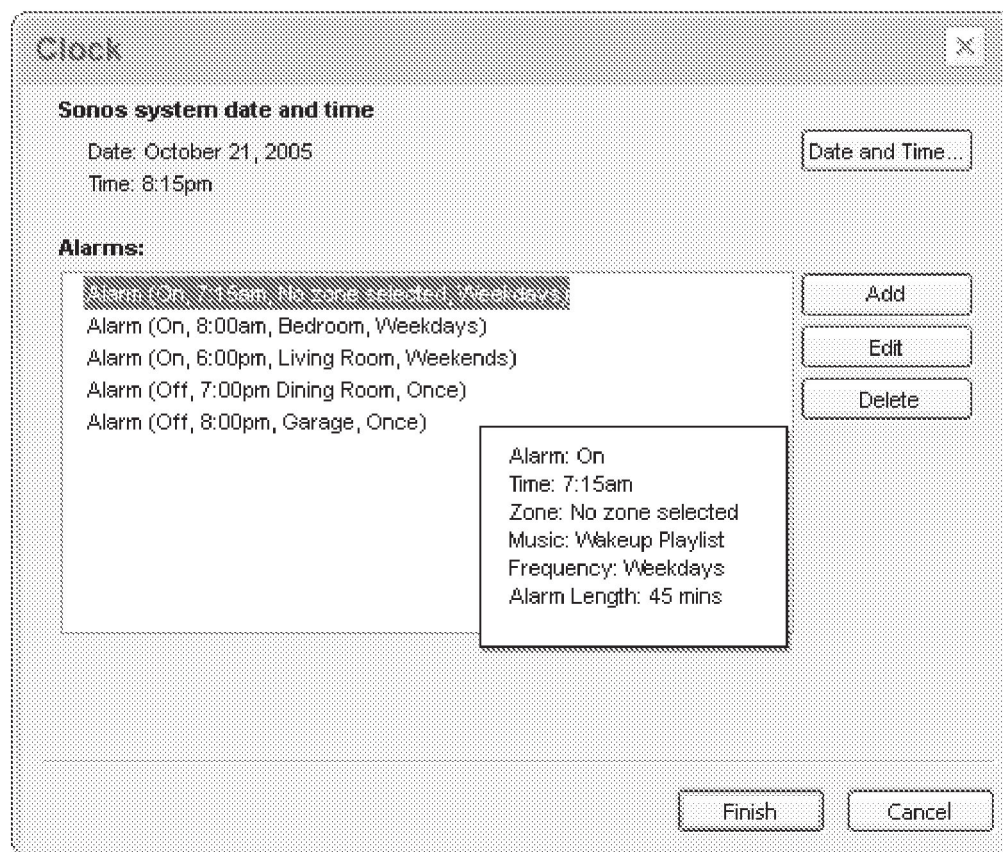
Sonos UI Specification: Alarm Clock**6.2 Lost ZonePlayers and Hidden ZonePlayers - DCRs**

No ZonePlayers in the system or if all ZonePlayers become hidden

Clocks and Alarms menu item will be grayed-out.

However, if the Clocks and Alarms dialogs are already open:

- The Alarms overview panel will remain open if no Zones are present, but all the alarms in the table should be cleared.
- Likewise the Add, Edit and Delete buttons will be grayed-out.
- The date and time should also be cleared, and the "Date and Time" Settings button should be grayed-out.
- If the "Edit" alarms modal dialog/sheet is open, All selections should be grayed-out, except 'cancel'.



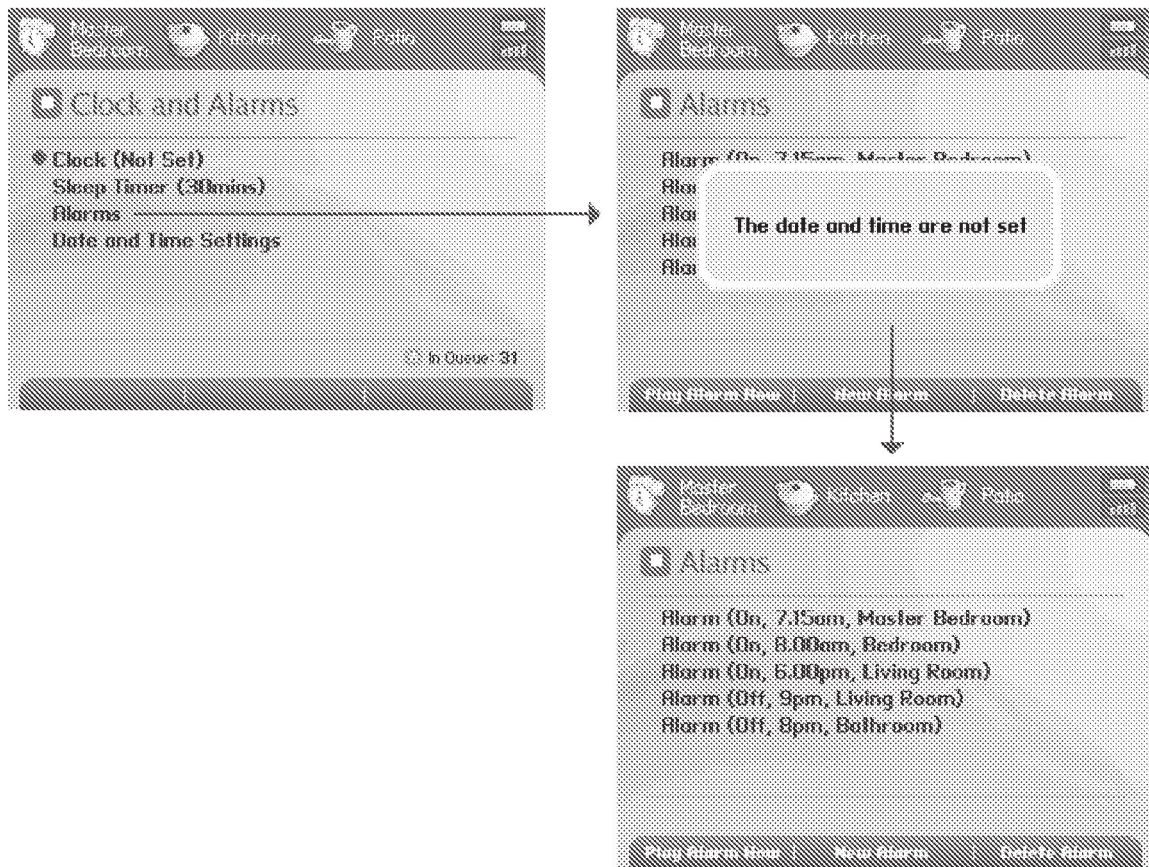
Sonos UI Specification: Alarm Clock

6.3 No Date or Time - HHCR

Date and Time can be lost if:

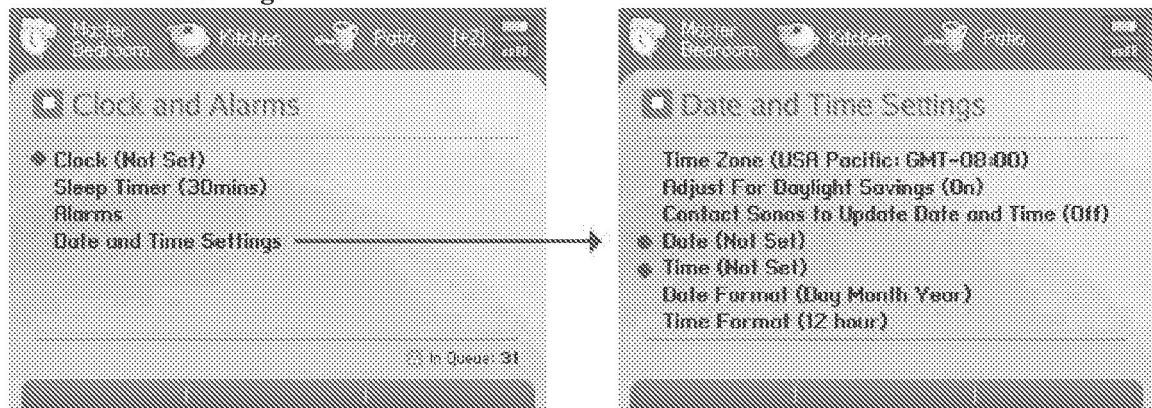
- The date and time are set manually and all the ZPs in a system lose power
- Date and Time are set to Internet time, the Internet connection is broken and all the ZonePlayers lost power.

Main Clocks and Alarm screen**Clock Screen**

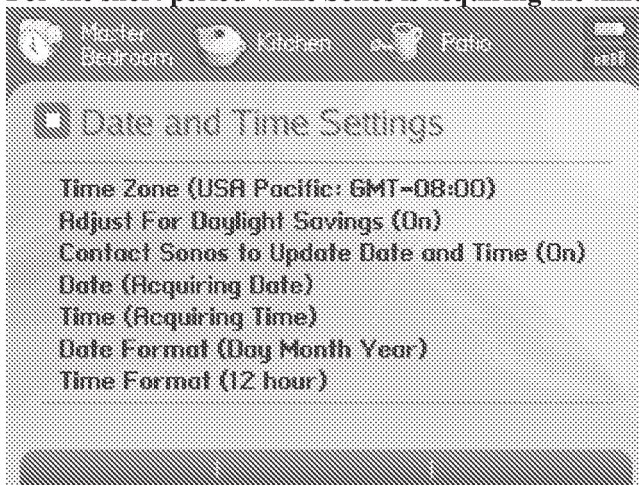
Sonos UI Specification: Alarm Clock**Alarms Overview Screen**

Nice to have, if user tries to view/set alarms while there is no time, we show a dialog box that informs the user (but doesn't prevent them from viewing and editing the alarms).

Sonos UI Specification: Alarm Clock

Date and Time Settings

For the short period while Sonos is acquiring the time, but it is not yet set



It is proposed that we only show 'acquiring' on the Date and Time settings page.

The 'acquiring' message does not need to propagate to other screens of the UI.

Sonos UI Specification: Alarm Clock

6.4 No Date or Time - DCRs

Set Up Date and Time

Time zone: Eastern Daylight Time (GMT-04:00)

☒ Automatically adjust the clock for daylight savings changes

Date format: Day Month Year

Time format: 12 hour

☐ Set the date and time from the Internet

☒ Set the date and time manually

14 April 2006

12:39 PM

Ok Cancel

- The red text under the Internet date and time communicates that the Internet connection to SonosTime is not available. At this stage the system will be either counting time using its internal clock, or the time will be not set.

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	Controlling and manipulating groupings in a multi-zone music or media system			
First Named Inventor:	Robert A. Lambourne			
Filer:	Joe Zheng			
Attorney Docket Number:	RIN-022P			
Filed as Small Entity				
Provisional Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Provisional Application filing fee	2005	1	100	100
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:	Page 84 of 86			

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				100

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Document Number	Document Description	File Name	File Size(Bytes)	Multi Part	Pages
1	Specification	ProvisionalAsfiled.pdf	117135	no	14
Warnings:					
Information:					
2	Drawings	Drawings.pdf	94791	no	5
Warnings:					
Information:					
3	Specification	AppendixA.pdf	450053	no	20
Warnings:					
Information:					
4	Specification	AppendixB.pdf	979042	no	43
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	8123	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1649144		
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